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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/898,875	07/02/2001	Tsuyoshi Miyano	ALPSP020	2209

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EXAMINER

WALLERSON, MARK E

ART UNIT	PAPER NUMBER
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2626

DATE MAILED: 04/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/898,875

Applicant(s)

MIYANO, TSUYOSHI

Examiner

Mark E. Wallerson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 1/8/02.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

Part III DETAILED ACTION

Notice to Applicant(s)

1. This application has been examined. Claims 1-17 are pending.

Information Disclosure Statement

2. The references listed in the Information Disclosure Statement dated 1/8/02 have been considered by the Examiner and is attached to this Office Action.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wolff et al (Wolff) (U.S. 5,671,282) in view of Izawa et al (Izawa) (U.S. 5,420,406).

With respect to claims 1, 4, 5, 7, 9, 10, 13, 15, and 17, Wolff discloses a printer comprising a printing mechanism (101D) for printing images (column 4, lines 16-48); a sensor suitable for sensing authentication characteristics of a document and outputting a sensor signal corresponding to the sensed characteristics (column 3, lines 19-50); and a controller operable to send authentication data representing the sensor signal to a server (column 3, lines 35-50),

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invalidating the document (column 6, lines 12-28), and sending data representing completion of the invalidation of the document to the server (column 10, lines 62-67).

Wolff differs from claims 1, 4, 5, 7, 9, 10, 13, 15, and 17 in that he does not clearly disclose the printer comprises a cutter, which is used to cut the document to invalidate the document.

Izawa discloses a document validation system, wherein when it is determined that the document (or bill) is not genuine, the printer invalidates the document by cutting it (column 7, lines 28-32). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Wolff to include a cutter, which is used to cut the document to invalidate the document. It would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Wolff by the teaching of Izawa in order to prevent the copying of protected documents or items.

With regard to claims 2 and 11, Wolff discloses the printer is coupled to a network and data is sent to the server via the network (column 5, lines 25-30).

With respect to claims 3 and 12, Wolff discloses encoding the data (column 6, lines 12-28).

With regard to claims 6 and 14, Izawa discloses means for allowing a user to feed the document (column 3, lines 53-64).

With respect to claims 8 and 16, Izawa discloses a magnetic sensor (column 3, lines 65-68).

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5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wolff in view of Morris (U.S. 4,965,613).

With respect to claims 1, 4, 5, 7, 9, 10, 13, 15, and 17, Wolff discloses a printer comprising a printing mechanism (101D) for printing images (column 4, lines 16-48); a sensor suitable for sensing authentication characteristics of a document and outputting a sensor signal corresponding to the sensed characteristics (column 3, lines 19-50); and a controller operable to send authentication data representing the sensor signal to a server (column 3, lines 35-50), invalidating the document (column 6, lines 12-28), and sending data representing completion of the invalidation of the document to the server (column 10, lines 62-67).

Wolff differs from claims 1, 4, 5, 7, 9, 10, 13, 15, and 17 in that he does not clearly disclose the printer comprises a cutter, which is used to cut the document to invalidate the document.

Morris discloses a document validation system, wherein when it is determined that the document is not valid, the printer invalidates the document by cutting it based on a signal from a job control system (12) (column 4, lines 41-62). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Wolff to include a cutter, which is used to cut the document to invalidate the document. It would have been obvious to

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one of ordinary skill in the art at the time of the invention to have modified Wolff by the teaching of Morris in order to prevent the copying of defective documents or items.

With regard to claims 2 and 11, Wolff discloses the printer is coupled to a network and data is sent to the server via the network (column 5, lines 25-30).

With respect to claims 3 and 12, Wolff discloses encoding the data (column 6, lines 12-28).

With regard to claims 6 and 14, Morris discloses means for allowing a user to feed the document (column 2, lines 15-25).

With respect to claims 8 and 16, Morris discloses a magnetic sensor (column 3, line 67 to column 4, line 11).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark E. Wallerson whose telephone number is (571) 272-7470. The examiner can normally be reached on Monday-Friday - 6:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams can be reached on (571) 272-7471. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mark E. Wallerson
Primary Examiner
Art Unit 2626

MARK WALLERSON
PRIMARY EXAMINER

